



Kentucky Agricultural Statistics Service
P.O. Box 1120
Louisville, Kentucky 40201-1120
(502) 582-5293 or 1-800-928-5277

KENTUCKY WEEKLY CROP & WEATHER REPORT



Prepared in Cooperation with:
Univ. of Ky - Agr'l Weather Center
U.S. Dept. of Commerce - NOAA
Kentucky Department of Agriculture
Cooperative Extension Service

LELAND E. BROWN, State Statistician

Released weekly April through November

Issued 4:00 P.M., June 24, 2002

JMB 14-02

AGRICULTURAL NEWS: In contrast to the wet spring season, very little rain fell across the State this week. Most crops look good throughout the State, although they could use a good soaking to keep them looking good. The top agricultural activities included baling hay, planting soybeans, and harvesting wheat. Days suitable for fieldwork averaged 6.1 out of a possible seven. **Topsoil moisture** as of Friday, June 21 was rated 3 percent very short, 23 percent short, 70 percent adequate, and 4 percent surplus. **Subsoil moisture** was rated 3 percent very short, 12 percent short, 79 percent adequate, and 6 percent surplus.

CORN: The corn crop looks good, with little insect problems reported. The condition of the crop was rated as 1 percent very poor, 5 percent poor, 23 percent fair, 52 percent good, and 19 percent excellent, as of Friday, June 21. As of Sunday, June 23, 15 percent of the corn was tasseled compared to 27 percent a year ago, and the five year average of 12 percent.

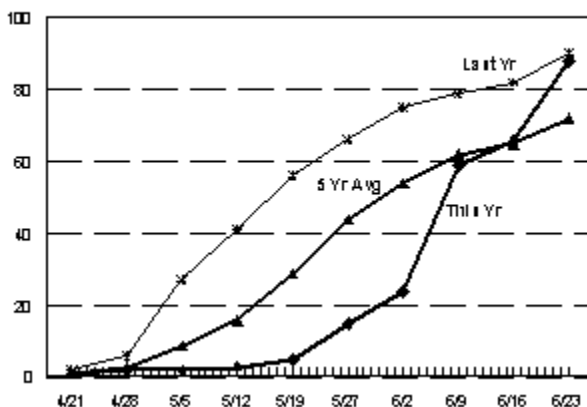
SOYBEANS: Seeding of all soybeans was 88 percent complete as of Sunday, June 23, compared with 90 percent last year, and the five year average of 72 percent. Seventy percent of the crop had emerged, compared with 87 percent a year ago, and 62 percent for the five year average. Average height of the emerged soybeans was 6 inches as of Sunday, June 23. The condition of the crop was 2 percent poor, 26 percent fair, 55 percent good, and 17 percent excellent.

TOBACCO: The tobacco crop was doing well in most areas of the State, with limited amounts of tobacco resetting. There were some reports of problems with black shank, and insects. Condition of the set tobacco was reported as 1 percent very poor, 5 percent poor, 25 percent fair, 56 percent good, 13 percent excellent. As of Friday, June 21, 5 percent of the set tobacco was over 24 inches, 24 percent was 12-24 inches, and 71 percent was under 12 inches in height.

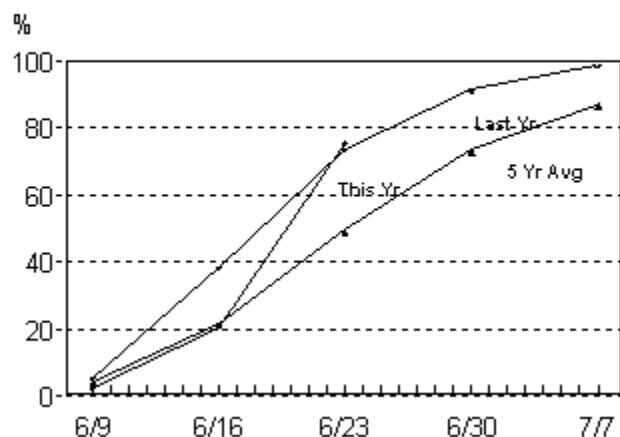
SMALL GRAINS: **Wheat** harvest was in full swing this week with varying yields and test weights reported. Seventy-five percent of the wheat was harvested as of Sunday, June 23, slightly ahead of the 73 percent a year ago. The **barley** harvest was practically complete with 98 percent of the acres harvested by Sunday, June 23.

OTHER CROPS: The majority of farming activity this past week was the cutting and baling of **hay**, including the second cutting of alfalfa hay. Most producers are reporting a good hay crop. **Pastures** look good, but could also benefit from a good soaking rain. Conditions have declined slightly over the past week with pasture conditions rated as 1 percent very poor, 3 percent poor, 21 percent fair, 58 percent good, and 17 percent excellent. **Sorghum** planting was 88 percent complete, behind last year's 97 percent, but well ahead of the 5 year average of 68 percent.

SOYBEAN PLANTING PROGRESS



WHEAT PERCENT HARVESTED



KENTUCKY CROP PROGRESS

WEEK ENDING JUNE 23, 2002

WITH COMPARISONS

Crop Stage	This Week	Previous Year	5-Yr. Avg.	Previous Week KY	U.S.
Percentage					
Corn Tasseling	15	27	12	NA	NA
Soybeans Planted	88	90	72	66	92
Sorghum Planted	88	97	68	75	81

(NA) Data Not Available.

SOIL MOISTURE

WEEK ENDING JUNE 21, 2002

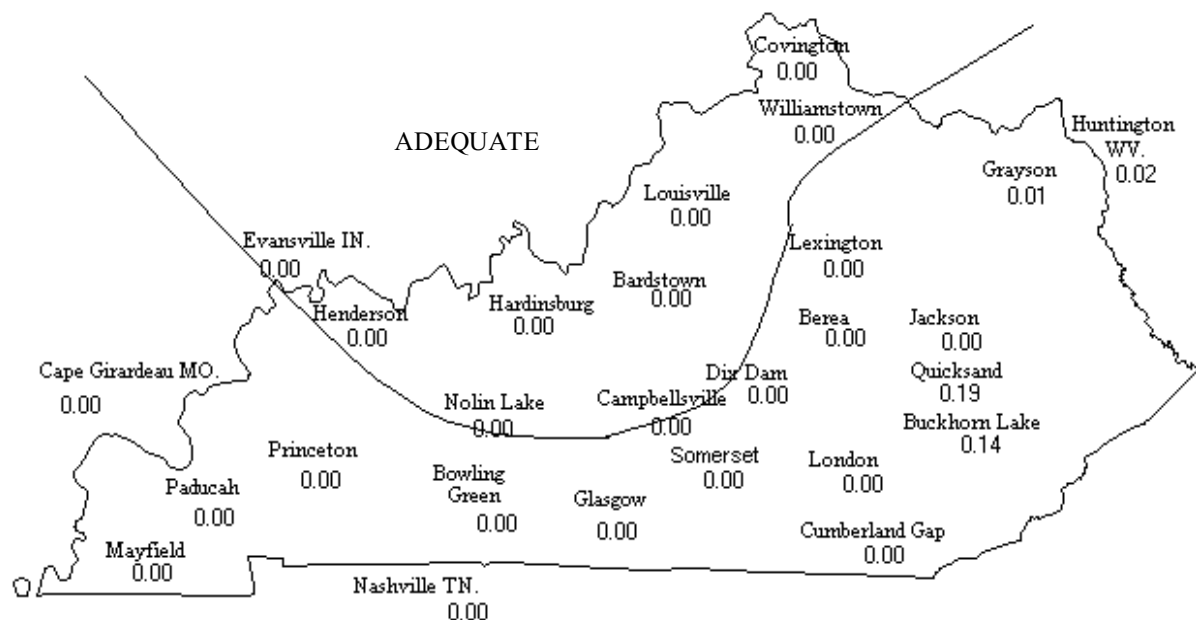
WITH COMPARISONS

	This Week	Previous Week
Percentage		
TOPSOIL		
Very Short	3	0
Short	23	6
Adequate	70	78
Surplus	4	16
SUBSOIL		
Very Short	3	1
Short	12	5
Adequate	79	81
Surplus	6	13

KENTUCKY CROP CONDITIONS (Percent)

CROP	WEEK ENDING JUNE 21, 2002					WEEK ENDING JUNE 14, 2002				
	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT	VERY POOR	POOR	FAIR	GOOD	EXCEL- LENT
Corn	1	5	23	52	19	0	4	18	53	25
Soybeans	0	2	26	55	17	0	2	23	55	20
Pasture	1	3	21	58	17	0	2	15	58	25
Tobacco	1	5	25	56	13	1	4	20	56	19

PRECIPITATION MAP FOR WEEK ENDING SUNDAY, JUNE 23, 7:00 P.M.
TOPSOIL MOISTURE DELINEATION FOR WEEK ENDING FRIDAY, JUNE 21, 2002



MOSTLY ADEQUATE TO SHORT

KENTUCKY WEATHER SUMMARY, JUNE 17 - 23, 2002:

Near Normal Temperatures and Below Normal Rainfall:

Cool temperatures Monday and Tuesday especially in the central and eastern parts of the State, were followed by above normal temperatures for the rest of the week and into the weekend. Very little rain across the State for the week.

Temperatures for the period averaged 74 degrees across the State which was near normal and 1 degree warmer than the previous week. High temperatures averaged from 89 in the West to 85 in the East. Departure from normal high temperatures ranged from 1 degree above normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 62 degrees in the West to 60 degrees in the East. Departure from normal low temperature ranged from 2 degrees below normal in the West to 3 degrees below normal in the East. The extreme high for the week was 95 degrees at Paducah and the extreme low was 48 degrees at Covington.

Rain for the period totaled 0.01 inches statewide which was 0.88 inches below normal. Rain totals by climate division, West 0.00 inches, Central 0.00 inches, Bluegrass 0.00 inches and East 0.05 inches, which was 0.86, 0.92, 0.88 and 0.87 inches respectively below normal. By station, rain totals ranged from a low of 0.00 inches at Bardstown to a high of 0.19 inches at Quicksand.

Tom Priddy

KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JUNE 23, 7:00 P.M.

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
	(Inches)			(Degrees Fahrenheit)								
Bardstown	0.00	16.81	2.44	+5.65	-1.09	91	52	74.8	+1	160	1356	+85
Berea	0.00	18.77	4.81	+6.67	+1.01	91	51	74.0	+1	161	1405	+103
Bowling Green	0.00	13.96	1.10	+1.50	-2.89	92	54	74.0	-0	160	1390	+65
Bristol	0.00	4.59	1.33	-5.32	-2.01	89	51	71.9	-1	148	1313	+126
Buckhorn Lake	0.14	10.75	2.60	-0.29	-1.24	88	50	72.2	-1	151	1292	+151
Cape Girardeau	0.00	20.83	2.02	+8.55	-1.48	92	58	76.0	-0	168	1450	+71
Campbellsville	0.00	13.94	2.81	+0.82	-1.22	91	53	74.8	+1	162	1431	+152
Covington	0.00	17.15	4.31	+6.18	+0.68	91	48	73.4	+0	156	1153	+19
Cumberland Gap	0.00	6.69	1.08	-5.47	-2.96	91	53	73.6	+0	157	1350	+186
Dix Dam	0.00	15.97	2.84	+4.20	-0.74	90	50	73.8	+0	158	1337	+66
Evansville	0.00	17.38	2.51	+5.93	-0.93	93	54	74.7	-1	161	1366	+71
Glasgow	0.00	12.19	2.45	-0.95	-1.89	91	54	75.2	+1	164	1520	+278
Grayson	0.01	12.02	2.45	+1.19	-1.18	91	51	73.1	-0	153	1272	+192
Hardinsburg	0.00	15.56	2.37	+3.47	-1.32	91	54	74.8	+1	162	1354	+29
Henderson	0.00	20.35	3.70	+8.63	+0.06	91	54	74.8	-1	162	1420	+95
Huntington	0.02	11.87	2.39	+1.17	-1.13	90	51	72.2	-1	149	1270	+106
Jackson	0.00	13.41	4.18	+1.90	+0.53	87	54	72.6	-1	156	1300	+159
Lexington	0.00	11.31	2.17	+0.15	-1.36	90	49	73.8	+0	157	1257	+100
London	0.00	9.88	2.30	-1.08	-1.16	87	50	71.2	-2	145	1267	+103
Louisville	0.00	16.38	3.33	+4.88	-0.07	90	54	74.4	+0	162	1327	+32
Mayfield	0.00	12.26	0.22	-0.38	-3.17	91	53	74.4	-2	160	1355	-31
Nashville	0.00	8.76	0.55	-3.23	-2.97	93	59	77.5	+3	178	1508	+99
Nolin Lake	0.00	14.28	1.55	+1.26	-2.34	91	54	74.1	-0	160	1362	+137
Paducah	0.00	16.71	1.00	+3.66	-2.90	95	58	76.6	+1	167	1469	+90
Princeton	0.00	15.92	2.20	+3.21	-1.55	94	55	75.3	-1	163	1546	+191
Quicksand	0.19	11.71	2.76	+0.20	-0.89	91	49	72.8	-1	153	1294	+153
Somerset	0.00	11.39	1.97	-1.28	-2.10	88	49	72.4	-1	151	1308	+60
Spindletop	0.00	10.94	2.39	-0.22	-1.14	88	51	72.5	-1	153	1222	+65
Williamstown	0.00	13.37	3.22	+1.92	-0.38	90	50	74.6	+1	163	1317	+160

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: tpriddy@ca.uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>

DEFINITIONS OF PHENOLOGICAL STAGES USED IN SUBSEQUENT RELEASES

CORN PHENOLOGICAL STAGES:

- Silking* - The emergence of silk like strands from the end of ears. Occurs approximately 10 days after the tassel first begins to emerge from the sheath or 2-4 days after the tassel is emerged.
- Dough* - Normally half of the kernels are showing dent with some thick or dough like substance in all kernels.
- Dent* - Occurs when all kernels are fully dented and the ear is firm and solid. There is no milk present in most kernels.
- Mature* - Plant is considered safe from frost. Corn is about ready to harvest with shucks opening and there is no green foliage present.

SOYBEAN PHENOLOGICAL STAGES:

- Blooming* - A plant should be considered as blooming as soon as one bloom appears.
- Setting Pods* - Pods are developing on the lower nodes with some blooming still occurring on the upper nodes.
- Dropping Leaves* - Leaves near the bottom of the plant are yellow and dropping, while leaves at the very top may still be green. Leaves are 30-50 percent yellow.

SORGHUM PHENOLOGICAL STAGES:

- Headed* - The head is present, visible and fully emerged.
- Coloring* - The head is turning color from green to reddish brown or white. Leaves are also turning yellow or brown.
- Mature* - Grains readily part from the head and are tough and not easily crushed by the thumbnail.

This release and others can be viewed on the Internet at <http://www.nass.usda.gov/ky/> For a free E-Mail subscription of the Kentucky Weekly Crop & Weather report, send an E-Mail message to nass-state-releases@news.usda.gov with the following command in the body of the message: **subscribe ky-crop-weather <e-mail address>**. The E-Mail address is optional; leave the address blank unless subscribing for someone else. The default address is where you sent the message from. You would unsubscribe in a similar way but use the word unsubscribe.

UNITED STATES DEPARTMENT OF AGRICULTURE
KENTUCKY AGRICULTURAL STATISTICS SERVICE
AGRICULTURAL STATISTICIAN
POST OFFICE BOX 1120
LOUISVILLE, KENTUCKY 40201-1120

ADDRESS SERVICE REQUESTED

PRESORTED
FIRST CLASS MAIL
U.S. POSTAGE PAID
MAILED FROM ZIP CODE 39205